SHEVTSOVA, A.M.

Characteristics of the chemical composition of onions grown on marshy soils. Dokl. AN BSSR 6 no.7:460-461 J1 '62. (MIRA 16:8)

1. Belorusskiy nauchno-issledovatel skiy institut plodovodstva, ovoshchevodstva i kartofelya. Predstavleno akademikom AN BSSR T.N. Godnevym.

(Onions)

USSM/Cultivated Flance - Technical, Obsaylmante, Sachariferous. n-7

Abs Jour : New 4 ar - Biol., No 9, 1998, 39430

Author : Tiffe, R.Ya., Shevtsova, D.i.

Inst : All Union Scientific Research Institute of Bast Cultivation

Title : The This of Gembe Herm (Miliceus Cannabinus) Sowing in

Uzbeltistan.

Orig Tub : Tr. Vs.c. n.-1. in-to lul. hullour, 1957, vyp. 22, 132-

137.

Abstract : No abstract.

Card 1/1

- 123 -

CHERTKOV, Yakov Borisovich; BOL'SHAKOV, Gennadiy Fedorovich; GULIN, Yevgeniy Il'ich; DAVYDOV, P.I., nauchn. red.; SHEVTSOVA, E.M., ved. red.; YASHCHURZHINSKAYA, A.B., tekhn. red.

[Jet fuels] Topliva dlia reaktivnykh dvigatelei. Leningrad, Izd-vo "Nedra," 1964. 225 p. (MIRA 17:3)

MARA: ZIN, Aleksandr Vasil'yevich; YERMOLAYEV, Vasiliy Mikhaylovich [deceased]; SHEVTSOVA, E.M., ved. red.

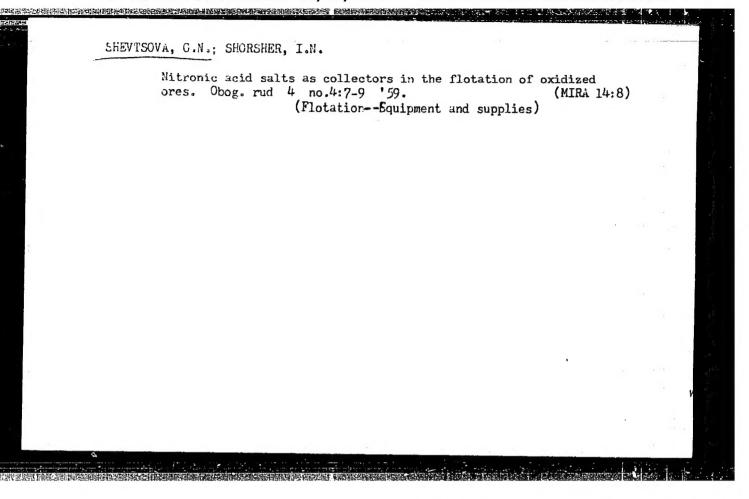
[Boring structural prospecting holes] Burenie strukturnopoiskovykh skvazhin. Izd.2., isp. i dop. Leningrad, Nedra, 1964. 390 p. (MIRA 17:9)

SHEVTSOVA, G.B.

Age changes in the topography of the peripheral part of the facial nerve in man. Stomatologiia 35 no.5:53-54 S-0 '56 (MLRA 10:4)

1. Iz kafedry normal'noy anatomii II Moskovskogo meditsinskogo instituta imeni I.V. Stalina (nauchnyy rukovoditel'-deystvitel'nyy chlen AMN SSSR prof. V.N. Ternovskiy)

(NERVES, FACIAL)



Device for testin Mr 163.	ng hydraulic cranes. Avt. transp. 41 m (MIRA 16:4)	no.3:33)
(Cra	nes, derricks, etc.—Testing)	
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APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549320012-4"

SHEVTSOVA, I. I., Cand Biol Sci (diss) -- "Changes in the properties of certain soil bacteria in the rhizosphere of agricultural plants". Kiev, 1959. 16 pp (Min Higher and Inter Spec Educ Ukr SSR, Kiev Order of Lenin State U im T. G. Shevchenko, Chair of Microbiology and Antibiotics), 200 copies (KL, No 11, 1960, 131)

SHEVISOVA, I.I.

Spore formation in phosphorus and silicate bacteria occurring in the rhizosphere of some agricultural plants. Mikrobiol. zhur. 21 no.1:32-36 '59. (MIRA 12:6)

1. Z kafedri mikrobiologii ta antibiotikiv Kiivs kogo derzhavnogo universitetu.

(RHIZOSPHERE MICROBIOLOGY) (BACTERIA, PHOSPHORUS)

(BACTERIA, SILICATE)

SHEVISOVA, I.I.

Effect of root sap from leguminous plants on nodule bacteria [with summary in English]. Mikrobiologiia 28 no.1:75-79 Ja-F '59.

(MIRA 12:3)

1. Kiyevskiy gosudarstvennyy universitet imeni T.G. Shevchenko. (BACTERIA.

root nodule bact., eff. of leguminous plant root juices (Rus))

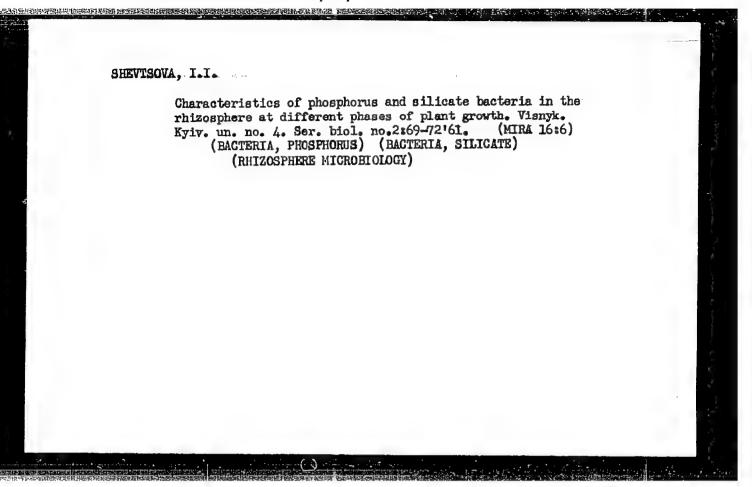
(PLANTS. -

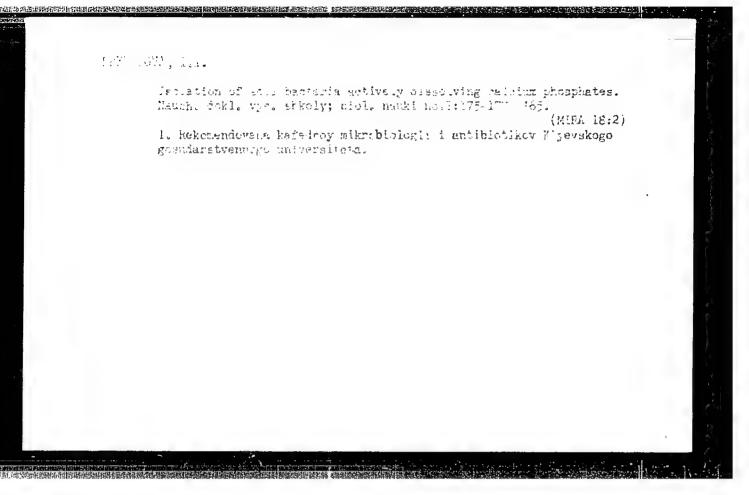
eff. of leguminous plant root juice on root nodule bact. (Rus))

SHEVTSOVA, I.I.

Effect of perennial leguminous plants on some facultatine pathogenic bacteria in soils. Mikrobiol. zhur. 22 no. 1:33-37 '60. (MIRA 13:10)

1. Iz Kiyevskogo gosudarstvennogo universiteta im. T.G. Shevchenko, kafedra mikrobiologii.
(LEGUMINOSAE) (BACTERIA, PATHOGENIE) (RHIZOSPHERE MICROBIOLOGY)





SHEVTSOVA, I.N., kandidat veterinarnykh nauk.

and deathly at the property

Use of hypertonic solutions of sodium chloride in veterinary therapy. Veterinariia 30 no.3:44-49 Mr '53. (MLRA 6:3)

1. Sverdlovskiy sel'skokhozyaystvennyy institut.

SHEVTSOVA, I.N., dotsent.

Intravenous injections of hypertonic salt solutions in some diseases of domestic animals. Veterinariia 32 no.9:60-63 S 155. (MIRA 8:12)

1.Sverdlevskiy sel'skehezyaystvennyy institut.
(INJECTIONS, SALINE) (VETERIHARY MEDICINE)

SHEWISOIA, A. W., . or clay non-hogy setroinik

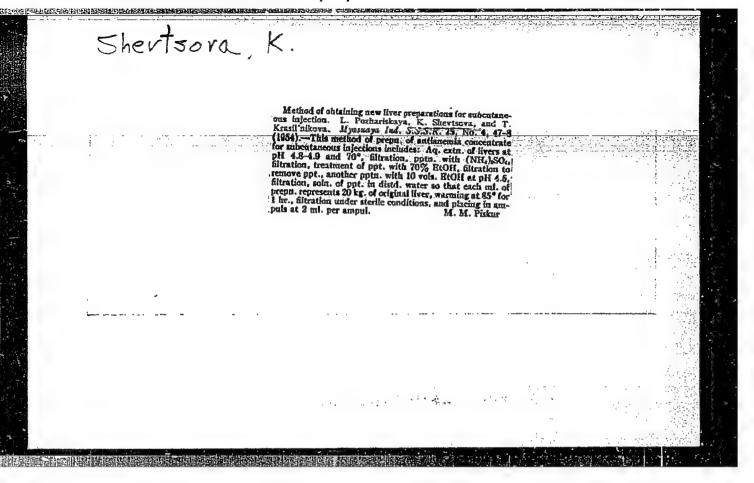
Case of the poisoning of cows by sugar beets. Veterinariia 41 no.3:72 Mi- 165. (MIRA 18:4)

1. Nauchno-proizvodstvennaya laboratoriya po boleznyam molodnyaka zhivotvykh Ministerstva proizvodstva i zagotovok sel'skokhozyayst-vennyih produktov RSFSR.

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-1	L 30791-66 EWT(1)/T JK
	ACC NR: AP6022091 (A,N) SCURCE CODE: UR/0346/66/000/003/0040/0042 628
į	AUTHOR: Malakhova, T. I. (Candidate of veterinary sciences, Manager); Shevtsova,
	I. N. (Candidate of veterinary sciences); Zaytseva, L. P. (Director); Chudnovskiy,
4.	Ye. I. (Chief veterinary physician of Lyubertsy district of Moscow Region)
	ONG: Malakhova/ Production Section, Scientific-Production Veterinary Laboratory, MSKh, NSFSR (Proizvodstvennyy otdel Nauchno-proizvodstvennyy veterinarnoy laboratorii);
+	Shevtsova/ Scientific-Production Veterniary Laboratory, MSKh, RSFSR (Nauchno-
	proizvodstvennaya veterinarnaya laboratoriy); /Zaytseva/ Lyubertsy Interdistrict
1	Veterinary Laboratory (Lyuberetskaya mezhrayonnaya veterinarnaya laboratoriya)
	TITLE: Preparation and use of blood from convalescent animals for foot-and-
\perp	mouth disease V
	SOURCE: Veterinariya, no. 3, 1966, 40-42
	TOPIC TAGS: foot and mouth disease, blood, epizootiology, experiment animal, preventive
	medicine, animal disease therapeutics
	ABSTRACT: A total of 7,821 cattle and 1,400 swine were inoculated with blood obtained
	from animals convalescing from foot-and mouth disease. The results were best in calves up to one month old when the dose was 2.5-3 ml per kg of animal weight. Very few of the
	animals contracted the disease even in the midst of an epizootic. And in the few that
1	did the course was very mild, with the animals having a normal temperature and good
	appetite. In most cases the inoculations halted the outbreak.
	The blood of convalescent animals was also administered to very sick adult cows and
	bulls in doses of 500-600 ml and 700-800 ml, respectively. The course of the disease
	was much milder and recovery took place sooner than in the control.
1	Thus, the use of blood from animals recovering from foot-and-mouth disease has both
	prophylactic and therapeutic value. Orig. art. has: 2 figures. /JPRS/
	SUB CODE: 06, 02/ SUBM DATE: none UDC: 619:616.988.43-085.3757: 636.2
	0.005 074:010-400-47-002-7/2/: 030-5



YELOSHOVICH, B.; SHEVISOVA, K.

Questions and answers, Mias. ind. SSSR 32 no.5:52-53 '61.

(Pituitary body)

(Liver extract)

SHEVISOVi, K.A., starshiy nauchnyy sotrudnik; PENKIN, B.A., inzh.

Mechanization of the operations of bottling and stoppering of liquid hematogen. Trudy VMIIMP no.9:109-114 '59. (MIRA 13:8)

(Hematogen)

SHEVTSOVA, K.A., starshiy nauchnyy sotrudnik

Production of highly active heparin for therapeutic use. Trudy
VNIIMP no.14:102-111 '62. (MIRA 16:8)

(Heparin)

SHEVTSOVA, L. M.

At the Kalach Observation Station. Zashch. rast. ot vred. i bol. 5 no.4:50-52 Ap '60. (MIRA 13:9)

1. Zaveduyushchaya punktom sluzhby ucheta i prognozov Voronezhskoy oblasti.

(Kalach District--Plant protection)

是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就会没有一个人,我们就是一个人,也 第一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就

SHEVTSOVA, N.G.

Early detection of coronary insufficiency in diseases of the abdominal cavity. Vrach. delo no.8:73-76 Ag 60. (MIRA 13:9)

1. Kafedra fakul'tetskoy terapii lechebnogo fakul'teta (zav. zasl. deyatel' nauki, prof. M.A. Yasinovskiy) Odesskogo meditsinskcgo instituta. (ABDOMEN—DISEASES)

(CORONARY VESSELS DISEASES) (ELECTROCARDIOGRAPHY)

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549320012-4"

SHEVTSOVA, N. G.

Cand Med Sci - (diss) "Early manifestation of coronary insufficiency in rheumatism by the electrocardiography method in conjunction with several functional tests." L'vov, 1961. 15 pp; (L'vov State Med Inst); 300 copies; price not given; (KL, 10-61 sup, 227)

KOLPAKOVA, T.A.; GOLIYENBIYEVSKAYA, Z.I.; SHEVTSOVA, N.I.; RYBINA, M.I.; NIKITINA, N.N.; RYBAKOVA, L.F.; SHIPSHINA, N.D.; KORN, A.N.; KO-ROVKIN, B.F.; KOSYAKOV, K.S.; STEPNAYA, A.A.

Suggestions made at the September 29, 1963, conference of "Laboratornoe delo" readers, members of the Leningrad Society of Physicians and Laboratorians. Lab. deLo-10 no.4:256 '64. (MIRA 17:5)

1. Predsedatel 'pravleniya Leningradskogo obshchestva vrachey-laborantov (for Kolpakova). 2. Chleny pravleniya Leningradskogo obshchestva vrachey-laborantov (for all except Kolpakova).

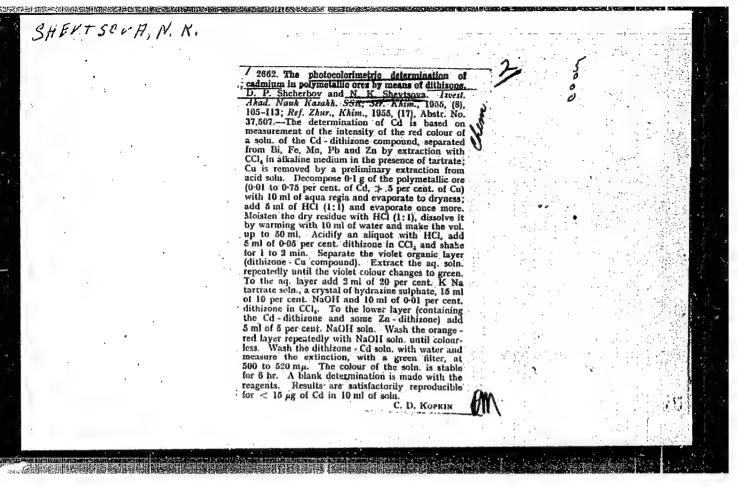
SINTSONA, N. I., (Assistant Porfessor, Sverdlov Agricu tural Institut)

About the ruminative action of solutions of nu tral salts in the intravenous administration

V. terinariya vol. 38, no. 7, July 1961 p. 59.

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	ZEBREVA, A.I.	
	5(2) PRASE I BOOK EXPLOITATION 80W/1699	
	Akademiya nank Kazakhakoy SSR. Institut khimicheskikh nank	
, and the second	Isoladovaniya po elektrokhimii vodnykh rastvorov i rasplavov i maal*gammay setallurgii (Assecreh on the Electrochamistry of Water Solutions, Pasisus and Asalgum Hetallurgy Alma-Ata, Ind-ve AH Das. ENB, 1956. 122 p. (Series: Its: Traky, t. 3) 1,300 sopise printed.	
	Ed.: V.V. Alskamdriyskiy; Teth. ed.: Z.P. Borokins; Editorial Board of Serios: I.I. Zabotin, V.M. Hyushchenko, G.Z. Rir'yakov (Deputy Bosp. Ma.), M.T. Kozlovskiy, (Bosp. Ed.) and L.E. Shelmdyskov.	
	FUNCIE: This book is intended for sejectists and engineers in the electrochemical and nonferrous metal industries,	
A Control of the Cont	COVERACE: This collection contains lk reports by the Leberateries for Analytical Chemistry and Electrochemistry attached to the Institute of Chemical Sciences, Aradamy of Sciences, Establishes Republic. The smalless asthed of obtaining thallium from lead powder, the electrolysis of smilitute solutions of sizes and the improviousm of success also during michal production are described. The majority of articles have a greatical acture and deal with gradient of davaloging and perfecting new electrochemical methods for the production of Card 1A non-ferrous metals.	
	Boock, M.V., V.M. Llycabchembs, and M.T. Kozlovskiy. Investigation of Potentials of Sons Junipum Natals Buring Asode Oxidation in a Sulfate-Associam Electrolyte.	
	Baltimes, S.P., and M.V. Hossic. Palaregraphic Hethod of Determining Indian 39	
	Zabotin, P.I., M.T. Ebulovakiy, and S.E. Kir'yahov. Electrolysis of Bulists Solutions of Zine With a Heronry Cotheds and a Low Content of Zine in the Solution	
	Cortagon, H. F., and H. P. Wallands	
,	the same sometimes of their series	
	Elr'yahor, 6,E., and F.E. Bayaiyebova. The Inflantace of Sens Hetal Ion Admirtures on the Orthodo Process Buring the Electralysis of Line Salitate Solutions Under Conditions of Eigh Jureaut Smartly	
	Ower 3/h	

SKLYARENKO, S.I.; SMIRNOV, I.V.; RYSEV, A.P.; SHEVTSOVA, N.S.

Production of cesium hydroxide by electrolysis of cesium chloride in an electolyzer with a horizontal filtering diaphragm. Zhur.prikl.khim. 37 no. 5:1036-1041 My '64. (MIRA 17:7)

GANAGO, F.M., kand. med. nauk; Prinimali uchastiye: ALEKSEYEVA, R.M., vrach (Sverdlovsk); AYZENSHTEYN, B.S., vrach (Sverdlovsk); BABINOVA, G.D., vrach (Sverdlovsk); BOROVITSKAYA, L.M., vrach (Sverdlovsk); VARGANOVA, M.V., vrach (Sverdlovsk); KOPYLOVA, K.P., vrach (Sverdlovsk); SOKOLOVA, O.V., vrach (Sverdlovsk); SHEVTSOVA, R.P., vrach (Sverdlovsk); SHELOMOVA, I.M., vrach (Sverdlovsk); BYKHOVSKAYA, M.A., vrach (Revda); BELYAYEVA, N.Ya., vrach (Magnitogorsk); KRUGLOVA, N.A., vrach (Kurgan); NIKIFOROVA, F.N., vrach (Kurgan); MITINA, O.A., vrach (Asbest); PORKHOVNIKOVA, E.D., vrach (Ufa); PONOMAREVA, N.I., vrach (Orenburg); RASSOSHNYKH, G.F., vrach (Perm:); SAZANOVA, V.V., vrach (Izhevsk)

Chemoprophylaxis of tuberculosis in children and adolescents in foci of tuberculous infection. Probl. 42 no.1:6-11 64. (MIRA 17:8)

1. Detskoye otdeleniye (zar. F.M. Ganago) Sverdlovskogo instituta tuberkuleza (dir. - prof. I.A. Shaklein) (for Ganago).

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2.	marts (606)	
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7.	Ali private cousing construction in every way. V prom. profaktive 14 No. 6, 1953.	
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9.	Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.	
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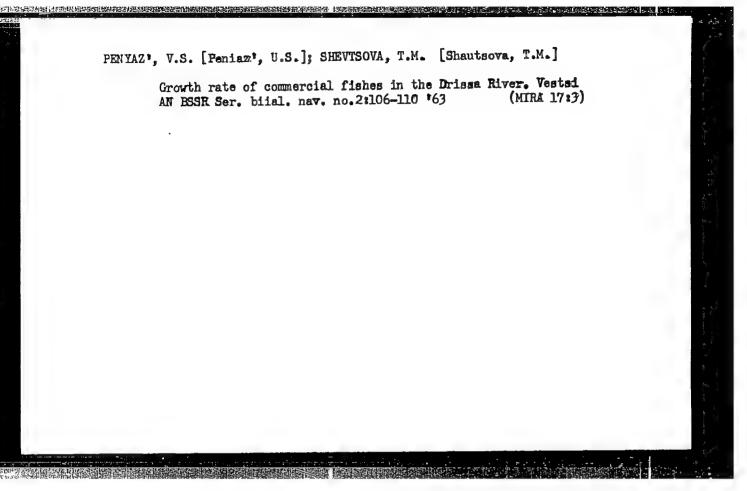
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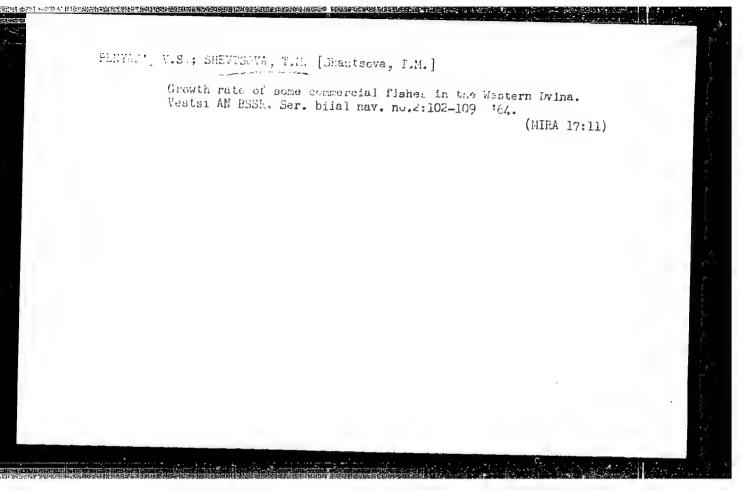
SOKOLOV, G.V., inzh.; SHEVTSOVA, S.M., inzh.

Wall blocks made with cinders removed from thermoelectric power plants by hydraulic methods. Stroi. mat 6 no.3:29-30 Mr 160.

(MIRA 13:6)

(Gorkiy Province -- Cinder blocks)





SHEVTSOVA, Z.I.

Assimilation of the "valence" concept by the eight-year school students. Khim. v shkole 16 no.5:46-52 S-0 '61. (MIRA 14:9)

1. Pedagogicheskiy institut, g. Yuzhnosakhalinsk. (Valence (Theoretical chemistry) —Study and teaching)

STORY SECTION SERVICES SECTION OF THE SECTION OF TH L 42158-66 EWP(j)/EWT(m)/EWP(t)/ETI IJP(c) RM WW/JD/JG/GD ACC NR: AT6022479 SOURCE CODE: UR/0000/65/000/000/0048/0054 57 AUTHOR: Drobot, D. V.; Korshunov, B. G.; Shevtsova, Z. M. BHI ORG: Moscow Institute of Fine Chemical Technology im. M. V. Lomonosov (Meshovskiy): institut tonkoy khimichaskoy takhnologii) TITIE: Some aspects of complex formation in melts containing rare earth and alkalia metal chlorides SOURCE: Vsesoyuznoye soveshchaniye po fizicheskoy khimii rasplaylennykh sellay 2011 Kiev, 1963. Fizicheskaya khimiya rasplavlennykh soley (Physical chemistry of fused: salts); trudy soveshchaniya. Moscow, Isd-vo Metallurgiya, 1965, 48-58 TOPIC TAGS: rare earth element, alkali halide, chlowide, phase diagram portarios. POINT, ALKHLI METAL ABSTRACT: An attempt was made to identify the relationships underlying the melting point diagrams of binary systems formed by rare earth; and alkali metal chlorides in relation to the decrease in ionic radius (from lanthamam to lutetium) and to the change in ionic radius in the series of alkali metals. The following binary system were investigated: //Smcl3-Mcl, Smcl3-Mcl, Sm It was found that the decrease in the ionic radius of the rare earth element does not: affect complex formation monotonically in the interaction with alkali metal chlorides, Card 1/2

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CIA-RDP86-00513R001549320012-4

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ACC NR: AT6022479

The existence of a "dysprosium corner," where the interaction of the components is most strongly manifested, is postulated. When the ionic radius of the rare earth element remains constant, the stability of the compounds MeSagal, and MegSmal (where Me = K, Rb, Cs) increases regularly, while the stability of the compounds MegSmal decreases with a gradual degeneracy. A study of the ternary systems Small KCl-Nacl and YCl_-KCl-Nacl showed the presence of interaction in these systems, in which the ternary compound KNa₂R₂Cl₁₀ was identified. The existence of this compound also indicates that the extent of complex formation depends on the ionic radius of the rare earth element. The liquidus lines were calculated for all the systems, and this led to the hypothesis that complex ions of the composition (RCl₆) are present in the melts. Orig. art. has: 10 figures and 2 tables.

SUB CODE: 07/ SUBM DATE: 23Aug65/ ORIG REF: 007/ OTH REF: 007

Card . 2/2

AUTHORS: Urazov, G. G. and Shevtsova, Z. N. 78-3-24/35

TITLE: Study of Solubility in Aqueous Systems formed by Lanthanum Nitrate and certain Metal Nitrates.

(Izucheniye rastvorimosti v vodnykh sistemakh, obrazovannykh azotnokislym lantanom i nekotorymi nitratami metallov.) I. Solubility Isotherms for the Systems: La(NO₃)₃ - Mg(NO₃)₂ - H₂O at 25 and 50 °C;

La(NO₃)₃ - NH₄NO₃ - H₂O at 25 °C. (I. Izotermy

rastvorimosti sistem: La(NO3)3 - Mg(NO3)2 - H2O pri

25 1 50°; La(NO₃)₃ - NH₄NO₃ - H₂O pri 25°.)

PERIODICAL: Zhurnal Neorganicheskoy Khimii, 1957, Vol.II, Nr.3, pp. 655-658. (USSR)

ABSTRACT: The solubility isotherms obtained for the above systems indicated the existence of certain solid phases; this has been confirmed by crystallo-optic and thermographic investigation. There are 3 tables, 9 figures and 10

Card 1/2 references, 1 of which is Slavic.

Study of Solubility in Aqueous Systems formed by Lanthanum Nitrate and certain Metal Nitrates. I.

ASSOCIATION: Moscow Institute for Fine Chemical Technology imeni M. V. Lomonosov. (Moskovskiy institut Tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova.)

SUBMITTED: October 8, 1956.

AVAILABLE: Library of Congress.

Card 2/2

78-3-25/35

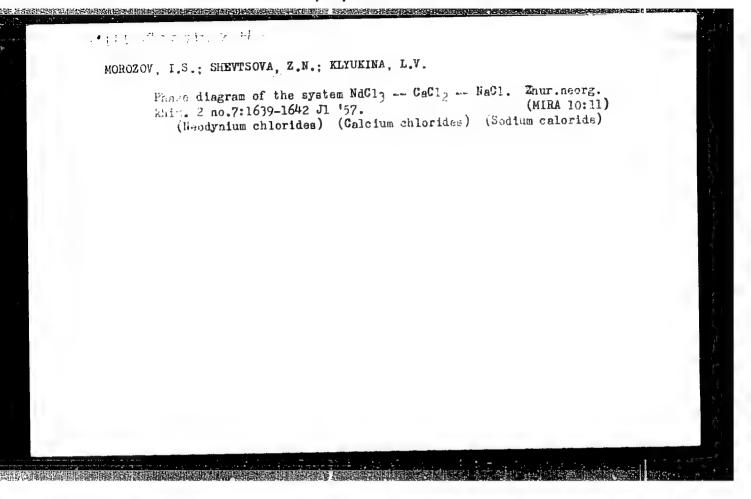
Study of Solubility in Aqueous Systems formed by Lanthanum Nitrate and Certain Metal Nitrates. II.

ASSOCIATION: Moscow Institute for Fine Chemical Technology imeni M. V. Lomonosov., Department of Rare and Scattered Elements. (Moskovskiy institut Tonkoy Khimicheskoy Tekhnologii im. M. V. Lomonosova, Kafedra redkikh i rasseyannykh Elementov.)

SUBMITTED: October 8, 1956.

AVAILABLE: Library of Congress.

Card 2/2



Shevtsova, Z. N., Zelova, V. S., Ushakova, L. I. · AUTHORS: The Solubility in the Systems: LaCl₃ - NaCl - H₂O, NdCl₃ -TITLE: NaCl - H_2O , LaCl₃ - CaCl₂ - H_2O , and NdCl₃ - CaCl₂ - H_2O at 25° (O rastvorimosti v sistemakh: LaCl₃ - NaCl - H₂O, $NdCl_3 - NaCl - H_2O$, $LaCl_3 - CaCl_2 - H_2O$ i $NdCl_3 - CaCl_2 -$ - H₂0 pri 25°) PERIODICAL: Nauchnyye doklady vysshey shkoly, Khimiya i khimicheskaya tekhnologiya, 1958, Nr 3, pp. 417 - 421 (USSR) ABSTRACT: The isothermal lines of the mentioned systems were investigated at 25°. The results are given in tables 1 - 4 and in diagrams 1 - 4. Equilibrium was reached within three days. It was considered to be constant when two successive samples showed the same composition. The composition of the solid phases was determined chemically and crystal-optically, and was graphically determined according to the method of Card 1/3 Shreynemakers. From this paper these conclusions are drawn:

The Solubility in the Systems: LaCl₃ - NaCl - H_2O , NaCl₃ - NaCl - H_2O , LaCl₃ - CaCl₂ - H_2O , and NdCl₃ - CaCl₂ - H_2O at 25°

- 1) Isometrically the solubility in the following systems was found to be: L_2Cl_3 NaCl H_2O , NdCl₃ NaCl H_2O , LaCl₃ CaCl₂ H_2O , NdCl₃ CaCl₂ H_2O .
- 2) The mentioned systems may be represented in simple diagrams with an "evtonika"; these are located at a composition of 47,95% LaCl₃ and 0,98% NaCl, of 48,72% NdCl₃ and 0,61% NaCl, respectively, and for the systems with CaCl₂: 7,57% LaCl₃ and 40,10% CaCl₂, 6,40% NdCl₃ and 39,14% CaCl₂, respectively.

3) Lanthanum and neodymium chloride form crystal hydrates with the compositions LaCl $_3$.7 $\rm H_2O$ and NdCl $_3$.6 $\rm H_2O$. There are 4 figures and 4 tables.

ASSOCIATION:

Kafedra tekhnologii redkikh i rasseyannykh elementov moskovskogo instituta tonkoy khimicheskoy tekhno-

Card 2/3

The Solubility in the Systems: LaCl₃ - NaCl - H_2O , NdCl₃ - NaCl - H_2O , NdCl₃ - NaCl - H_2O , and NdCl₃ - CaCl₂ - H_2O at 25°

logii im. M. V. Lomonosova (Chair for the Technology of Rare and Trace Elements of the Moscow Institute of Chemical Fine Technology imeni M. V. Lomonosov)

SUBMITTED: January 21, 1958

Card 3/3

SHEVISOVA, Z.N.; MOROZOV, I.S.; YEFREMOVA, O.A.

Fusibility diagram for the system praseodymium chloridemagnesium chloride - potassium chloride. Izv. vys. ucheb. zav.; tsvet. met. 3 no.3:109-111, '60. (MIRA 14:3)

l. Moskovskiy institut tonkoy khimicheskoy tekhnoligii, Kafedra khimii i tekhnologii redkikh i rasseyannykh elementov.

(Praseodymium chloride—Electrometallurgy)

(Melting points)

SHEVTSOVA, Z.N.; ZHIZHINA, L.I.; EL'TSBERG, L.Ye.

Solubility isotherms of the systems: LaCl3 - KCl - H2O, NdCl3 - KCl - H2O, LaCl3 - NH4Cl - H2O, and NdCl3 - NH4Cl - H2O at 25 6. Izv. vys. ucheb. zav.; khim. i khim. tekh. 4 no. 2:176-178 161. (MIRA 14:5)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V. Lomonosova.

(Systems (Chemistry)) (Solubility)

SHEVTSOVA, Z.N.; KULICHKINA, G.N.; FEDOROVA, A.N.

Solubility isotherms of the systems: PrCl3-KCl - H₂O and PrCl₁-NH₄Cl - H₂O at 25 and 50°. Izv. vys. ucheb. zav.; khim. i khim. tekh. 4 no. 2:178-179 '61. (MIRA 14:5)

l. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V. Lomonosova. Kafedra tekhnologii redkikh i rasseyannykh elementov. (Systems (Chemistry)) (Solubility)

S/149/62/000/001/007/005 A006/A101

AUTHORS:

Shevtsova, Z. N., Kottser, L. A., Korshunov, B. G.

TITLE:

On the interaction of neodymium chloride with sodium and potassium

chlorides in melts

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy, Tsvetnaya metallurgiya,

no. 1, 1962, 121 - 126

TEXT: The authors studied the interaction of neodymium, sodium and potassium chlorides during the joint crystallization of their melts. The interaction of components in a NdCl₃-NaCl-KCl system was investigated by the fusibility method. Cooling curves were recorded with the Kurnakov pyrometer. Six internal sections of the system were studied. Their orientation was determined mainly by the location of non-variable equilibrium points on lateral double diagrams. Section (K₃NdCl₅-NaCl) is stable and divides the diagram into two partial diagrams corresponding to systems NdCl₃-NaCl-K₃NdCl₆ and K₃NdCl₆-NaCl-KCl. The eutectic point of the section (Figure 7) (Van Rheyn point) corresponds to the following composition in mol. \$\mathcal{E}\$: 17.6 NdCl₃, 29.6 NaCl, 52.8 KCl and 538±2°C melting temperature. The horizontal, marked on the diagram, corresponds at 420°C to the

Card 1/

On the interaction of ...

S/149/62/000/001/007/009 A006/A101

polymorphous transformation of the chemical compound K₃NdCl₆. On the basis of data obtained, a fusibility diagram of the ternary system was plotted. The liquidus-surface of the system consists of five fields of initial crystallization corresponding to the separation of NdCl₃, NaCl, KCl, K₂NdCl₅, and K₃NdCl₆ from the melt. There are 7 figures, 1 table and 16 references, 9 Soviet-bloc and 7 non-Soviet-bloc.

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii (Moscow Institute of Fine Chemical Technology) Kafedra tekhnologii redkikh i rasseyannykh elementov (Department of the Technology of Rare and Dispersed Elements)

SUBMITTED: March 27, 1961

Card 2/3 ~

S/078/62/007/008/007/008 B101/B138

AUTHORS:

Safonov, V. V., Korshunov, B. G., Shevtsova, Z. N.

TITLE:

Investigation of the interaction of niobium (IV) chloride

with rubidium and cesium chlorides in melts

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 8, 1962, 1979-1982

TEXT: The fusibility diagrams of the NbCl₄ - RbCl and NbCl₄ - CsCl systems were constructed to determine the optimum conditions for electrochemical deposition of niobium from melts, for the purpose of refining crude niobium etc. Mixtures containing more than 50 - 55 mole% NbCl₄ could not niobium etc. Mixtures containing more than 50 - 55 mole% NbCl₄ could not be studied owing to NbCl₄ disproportionation. Results: (1) The congruent-melting compound Rb₂NbCl₆ forms in the system NbCl₄ - RbCl at 802°C: The eutectic of this compound and RbCl melts at 630°C and contains 83 mole% RbCl. (2) The congruent-melting/compound Cs₂NbCl₆ forms in the system NbCl₄ - CsCl at 622°C. The eutectic of this compound and CsCl melts at Card 1/2

S/078/62/007/008/007/008 B101/B138

Investigation of the interaction of ...

at 282 °C and contains 90 mole% CsCl. The eutectic of Cs2NbCl6 and NbCl4 melts at 282 °C and contains 43 mole% CsCl. (3) A study of Cs2NbCl6 and Rb2NbCl6 in polarized light showed these compounds to be optically isotropic. (4) The calculation of crystallization curves on the basis of the Shreder equation suggests that melts of the NbCl4 - RbCl system contain niobium as

[NbCl₆]²⁻, whereas the NbCl₄ - CsCl system may contain [NbCl₅] as well as [NbCl₆]²⁻. There are 4 figures.

ASCOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im.

. V. Lomonosova (Moscow Institute of Fine Chemical Technology

imeni M. V. Lomonosov)

SUE...ITTED: October 2, 1961

Card 2/2

SHEVISOVA, Z.N.; KORZINA, Ye.N.; KORSHUNOV, B.G.

Interaction of praseodymium chloride with sodium and potassium chlorides in melts. Zhur.neorg.khim. 7 no.11:2596-2599 N '62. (MIRA 15:12)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

(Praseodymium chloride) (Alkali metal chlorides) (Fused salts)

PASHINKIN, A.S.; DEOBOT, D.V.; SHEVITSOVA, Z.N.; KORSHUNOV, B.G.

Determination of vapor pressure of ahydrous solid chlorides of yttrium and samarium. Zhur.neorg.khim. 7 no.12:2811-2813 D '62. (MIRA 16:2)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova i Moskovskiy gosúdarstvennyy universitet imeni Lomonosova.

(Yttrium chloride) (Samarium chloride) (Vapor pressure)

L 10642-63

EWP(q)/EWT(m)/BDS--AFFTC/ASD--JD/JXT(IJP,DE)

ACCESSION NR: AP3001227

s/0078/63/008/006/1531/1532

AUTHOR: Korshunov, B. G.; Lidina, Ye. D.; Shevtsova, Z. N.

TITLE: Melt diagram for the system LoCl sub 5 - AlCl sub 3 - FeCl sub 3

SCURCE: Zhurnal neorganicheskoy khimii, v. 8, no. 6, 1963, 1531-1532

TOPIC TAGS: melt diagram, MoCl sub 5-AlCl sub 3-FeCl sub 3, eutectics,

ABSTRACT: The melt diagram for the MoCl sub 5 - AlCl sub 3 - FeCl sub 3 system is given. Eutectics for MoCl sub 5 - AlCl sub 3 = 121 degrees; for MoCl sub 5 - FeCl sub 3 = 88 degrees; surface of the liquidus corresponds to the separation of MoCl sub 5 from solution and to the solid solution of Al and Fe chlorides. "Indices of refraction of crystals of the componds were determined by L. V. Milyutina, for which the authors express their deep appreciation." Orig. art. has:

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova (Moscow Institute of Fine Chemical Technology)

SUBMITTED: 12Nov62

DATE ACQD: 01Jul63

ENCL: 00

Card 1/2

APPROVED FOR RELEASE: 08/09/2001

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是**是是一个的原理的现在时间的现在时间的现在分词的现在分词的对话的 医拉克尔氏征 医拉克尔氏征 医克克氏征 医克克氏征**

L 12597-63 FCS(f)/EWP(q)/EWT(m)/BDS AFFTC/ASD ACCESSION NR: AP3003484 8/0078/63/008/007/1749/1752 AUTHOR: Shevtsova, Z. N.; Ying, Wei-Chuan TITLE: Solubility in the systems SmCl sub 3 - KCl - H sub 2 0 and YCl sub 3 - KCl - H sub 2 0 at 25 and 500 SOURCE: Zhurnal neorganicheskoy khimii, v. 8, no. 7, 1963, 1749-1752 TOPIC TAGS: SmCl sub 3, KCl, YCl sub 3, solubility, crystallization ABSTRACT: A study of isotherms of solubility of ternary systems consisting of chlorides of samarium) yttrium and potassium chloride at temperatures 25 and 500 was conducted. The solubility diagrams of systems SmCl3 - KCl - H2O and YCl3 - KCl - H2O at 25 and 50c are analogous. Each is shown by two branches of crystallization of pure components which intersect. Orig. art. has: 3 figures... ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova (Moscow Institute of Fine Chemical Technology); Kafedra tekhnologii redkikh i rasseyanny*kh metallov (Department of Card 1/2/

SAFONOV, V.V.; KORSHUNOV, B.G.; SHEVTSOVA, Z.N.; SHADROVA, L.G.

Interaction of tantalum tetrachloride with rubidium and cesium chlorides. Zhur. neorg. khim. 9 no.6:1406-1410 Je '63 (MIRA 17:8)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imemi Lomonosova.

KORSHUNOV, B.G.; DROBOT, D.V.; BUKHTIYAROV, V.V.; SHEVTSOVA, Z.N.

Interaction of samarium (III)chloride with the chlorides of sodium, potassium, rabidium, and cesium. Zhur. neorg. khim. 9 no.6:1427-1430 Je *63 (MIRA 17:8)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

SAFONOV, V.V.; KORSHUNOV, B.G.; SHEVTSOVA, Z.N.; BAKUM, S.I.

Interaction of tantalum trichloride with fused alkali metal chlorides. Zhur. neorg. khim. 9 no.7:1687-1691 Jl '64. (MIRA 17:9)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

BOL'SHAKOV, K.A.; SAFONOV, V.V.; KOGAN, L.M.; SHEVTSOVA, Z.N.; SHADROVA, L.G.

Solubility of chloro derivatives of some metals in 1,3-hexachlorobutadiene. Zhur. fiz. khim. 38 no.5:1305-1306 My '64. (MIRA 18:12)

l. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova i Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh sredstv zashchity rasteniy. Submitted June 7, 1963.

L 16674-65 EWY(m)/EWP(t)/EWP(b) IJP(c) JD/JG S/0078/64/009/011/2606/2612

AUTHOR: Morozov, I. S.; Shevtsova, Z. N.; Li, Chih-fa

13

TITLE: Reaction of yttrium chloride with the chlorides of certain metals

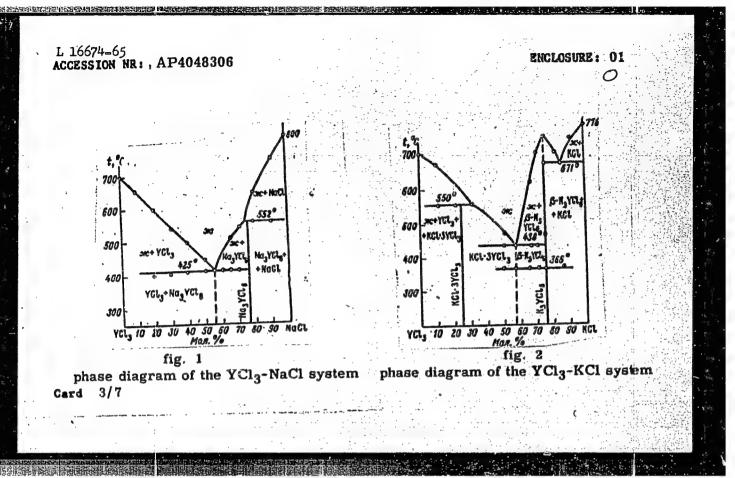
SOURCE: Zhurnal neorganicheskoy khimii, v. 9, no. 11, 1964, 2606-2612

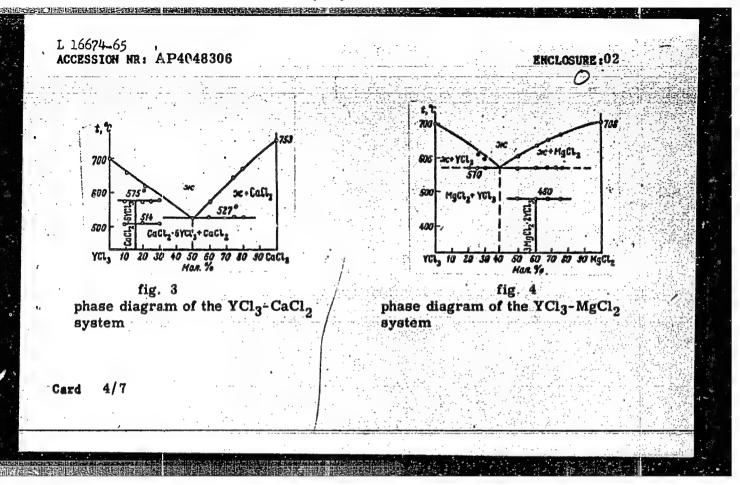
TOPIC TAGS: yttrium chloride, phase diagram, yttrium chloride metal chloride

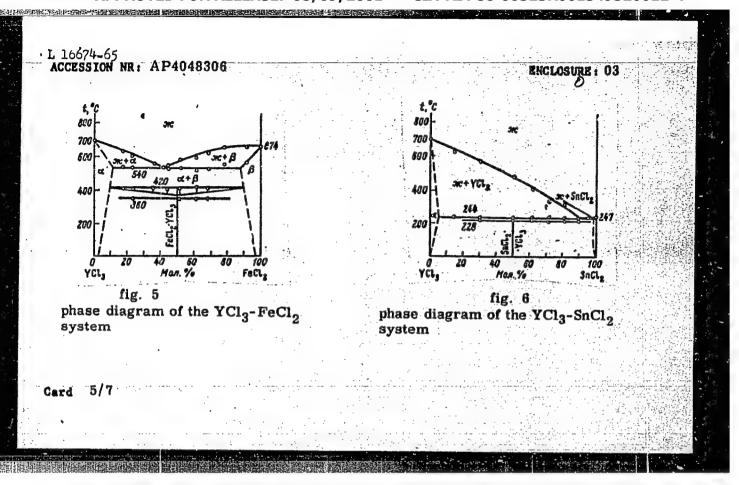
ABSTRACT: Binary systems of YCl₃ with chlorides of Na, K, Ca, Mg, Fe and Sn were subjected to thermal analysis and phase diagrams were contructed (figs. 1-6). The compound Na₃YCl₆, melting incongruently at 552C was found in the YCl-NaCl system. K₃YCl₆, melting congruently at 749C and KCl. 3YCl₃, melting incongruently at 550C were formed. The YCl₃-FeCl₂ system formed limited solid solutions and the compound FeYCl₅ which had a polymorphic transition at 360C. Phase diagrams were also constructed for the ternary systems YCl₃-CaCl₂-NaCl and YCl₃-MgCl₂-KCl (fig. 7 and 8) and the limits of the fields of primary crystallization were determined. Orig. art. has. 8 figures and 8 tables

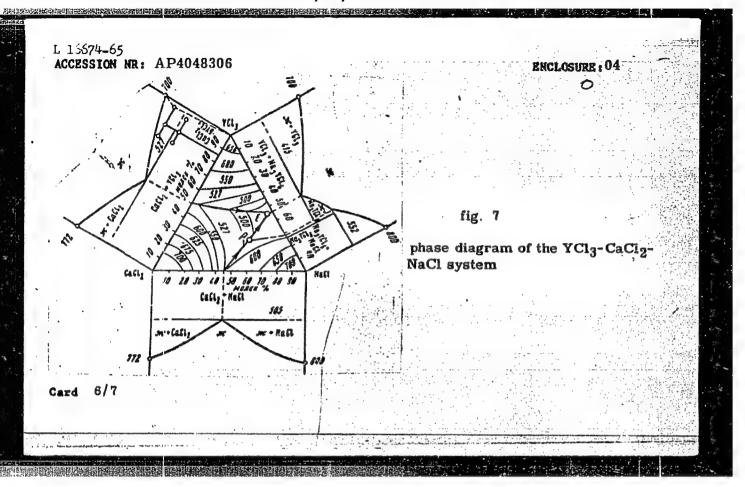
C-rd 1/7

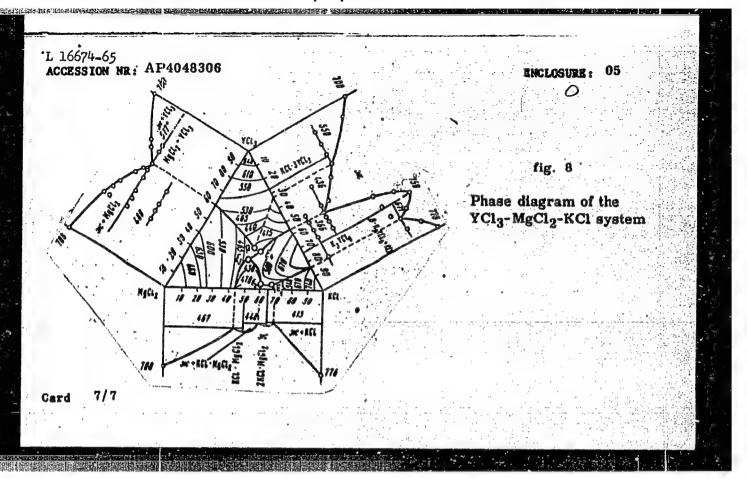
L 16674-65 ACCESSION NR: AP4048306				and the second seco		ALL STATEMENT AND STATEMENT AN	0
ASSOCIATION: None							
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L 44378-65 EPA(s)-2/EFF(n)/EFF(c)/EFF(n)-2/EFP(t)/EFP(b)Pr-4/Pt-7/Pu-le JD/JG IJP(c) \$/0078/65/010/003/0669/0671 ACCESSION NR: AP5008483 AUTHOR: Safonov, V. V.; Korshunov, B. G.; Shevtsova, Z. N.; Shadrova Reaction of tantalum tetrachloride with sodium and potassium chlorides SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 3, 1965, 669-671 TOPIC TAGS: potassium compound, tantalum compound, tantalum tetrachloride, sodium chloride, potassium chloride, high purity metal production, niobium tetrachloride, eutectic, complex ion, melt ABSTRACT: The reaction of tantalum tetrachloride with sodium and potassium chlorides in melts has been studied because the production of high purity metals by subhalide methods is assuming increasing importance. A thermal analysis of the systems has been made and fusibility diagrams constructed. The TaClh-NaCl system is of the eutectic type and the eutectic contains 55 mol. % NaCl and melts at 2700 The components of the TaCli-KCl system form a KoTaCl6 compound that melts at 732C. The eutectic formed by KeTaCl, and KCl melts at 5900 and contains 75 mol. & KCl, while the eutectic formed by KeTaCl6 and TaCl4 melts at 2150 and contains about 51 mol. TaCl4. Unlike TaCl4, the KeTaCl6 compound is optically isotropic and has Card 1/2

L 44318-65
ACCESSION NR: AP5008483

a tendency to decompose in the atmosphere. Its refractive index exceeds 1.789, and its density is 3.017 g/cm², as compared with 2.539 g/cm² for the similarly obtained niobium compound K2NbCl6. The NaCl4 experimental crystallization curve of the TaCl4-NaCl system is in good agreement with the estimated crystallization curve in the range from 0 to 20 mol. TaCl4, suggesting the possible presence of tantalum in the form of [Ta2Cl10]² in the melt. The KCl experimental crystallization curve is also in good agreement with the estimated curve, and it is assumed that the melt contains tantalum in the form of the complex ion [TaCl6]². Orig. art. has: 4 figures.

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V. Iomonosova (Moscow Institute of Fine Chemical Technology)

SUBMITTED: 10Jun64

ENCL: 00

SUB CODE: IC

NO REF SOV: 00

OTHER: 006

Card

Card 2/2

KORSHUNOV, B.G.; DROBOT, D.V.; SHEVISOVA, Z.N.

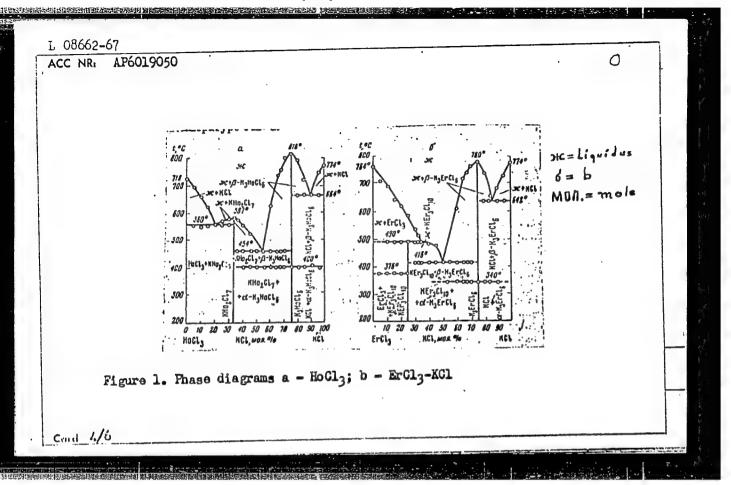
System YCl₃ - NaCl - KCl. Zhur.neorg.khim. 10 no.8:1901-1905 Ag *65. (MIRA 19:1)

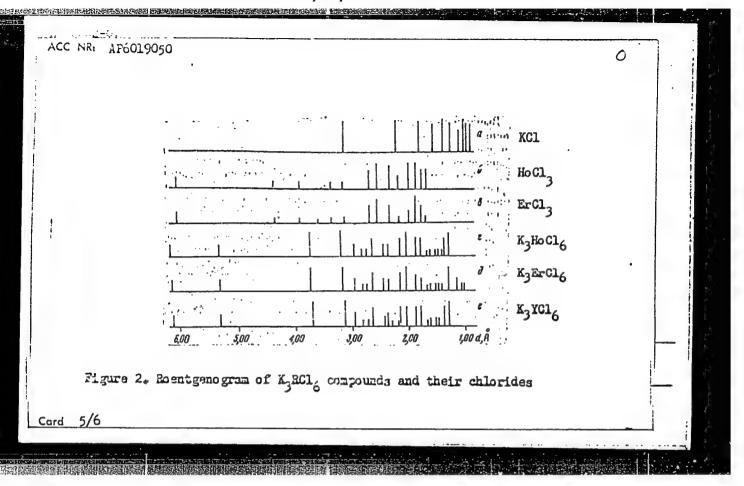
1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V.Lomonosova. Submitted July 1, 1963.

HAT(m)/HAT __IJP(c) WH/JD/JG . +66662-67 SOURCE CODE: UR/0078/66/011/002/0411/0414 ACC NR: AF6019050 AUTHOR: Korshunov, B. G.; Drobot, D. V.; Galchenko, I. Ye.; Shovtsova, Z. N. ORG: Mossow Institute of Fine Chemical Technology im. M. V. Lomonosov (Moskovskiy institut tonkoy khimichoskoy tekhnologii) TITLE: Interaction of fused holmium and erbium chlorides with fused potassium chloride SOURCE: Zhurnal neorganicheskoy khimii, v. 11, no. 2, 1966, 411-414 TOPIC TAGS: thermal analysis, holmium compound, erbium compound, potassium chloride ABSTRACT: A thermal analysis has been conducted of the HoCl3-KCl and ErCl3-KCl systams, which had not been investigated before. The chamical analysis of chlorides used was 61.14% Ho+39.19% Cl for HoCl3 and 60.95% Er+39.12% Cl for ErCl3, against calculated values of 60.85% Ho+39.15% Cl and 61.03% Er+38.97%Cl, respectively. The time-temperature curves were recorded with the aid of a Kurnakov pyrometer. The salts were fused in quartz-glass Stepanov vessels. The liquidus curves of the systems were calculated as proposed by P. Ehrlich, G. Kaupa, and K. Blankenstein (Z. anorg. allgem. Chem., 299, 213, 1959), and R. V. Chernov (Ukr. khim. zhurn. 27, 34, 1961). The results of the thermal analysis are given in Tables 1 and 2, and Figures 1 a and b. Compounds which were formed in the given systems were identified by X-ray phase analysis in a Card 1/6

		019050		ture, C		_	•	0	
HoCl ₃		Primary phase	Eutectio HoCl ₃ + KHo ₂ Cl ₂	KHo 20174		Polymorphous transformation of K3HoCl6			
00.0 95.0 90.0 85.0 770.0 66.66 65.0 45.0 33.33 30.0 220.0 115.0 5.0	740 760 800 816 794	IIoCl ₃		454 454 455 453 453 454 457 453 456	662 664 664 660	395 397 403 395 395 400 403 400 400 401 398 400 400 400	• •		
Table	1. Res	sults of the	thermal an	alysis of	the HoCl	3-KCl system			

ACC 1		019050 Primery phase	Temperature, C Peri- Rutectle Eutoctle Tolymorphous tectic KEr3Cl ₁₀ K ₃ ErCl ₆ transformation K ₃ ErCl ₆ KCl of K ₃ ErCl ₆	0
95.0 95.0 85.0 85.0 75.0 66.66 65.0 60.0 45.0 33.33 30.0 25.0 10.0	764 762 690 647 621 575 530 514 490 485 472 416 	ErCl ₃ ErCl ₄ KEr ₅ Cl ₁₀ KEr ₅ Cl ₁₀ KEr ₅ Cl ₁₀ KEr ₅ Cl ₂ K ₃ ErCl ₄ K ₃ ErCl ₄ K ₃ ErCl ₆ K ₄ ErCl ₆ K ₅ ErCl ₆ K ₆ ErCl ₆ ErCl ₆ K ₆ ErCl ₆ ErCl ₆ ErCl ₆ K ₆ ErCl ₆	480 492 490 486 490 416 416 416 416 416 416 416 416 416 416	
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"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549320012-4

I. 08662-6				0		
Table 3: B	elative den	sities of compounds R = Ho, Er)	,25			
	Compound	Color	0,70 v			
HoCl3-KCl ErCl3-KCl	KHo 2Cl7 K3HoCl6 KEr3Cl10 K3ErCl6	light yellow white with yellow hue reddish-violet reddish-violet	3.614 2.749 3.677 2.768			
R.K.D. 57.3-mm diameter camera with nickel filter and copper radiation. The results of the analysis confirmed the formation of new phases in the RCl ₃ -KCl systems (R = Ho, Er). The analysis confirmed the formation of new phases in the RCl ₃ -KCl systems (R = Ho, Er). The entry of their Roentgeno grams for K ₃ RCl ₆ (R = Ho, Er, Y) compounds in Figure 2 give evidence of their Roentgeno grams for K ₃ RCl ₆ (R = Ho, Er, Y) compounds in Figure 2 give evidence of their isomorphism. The authors attribute the isostructural properties of these compounds to isomorphism of the original chlorides and yttrium. The effects observed in the the isomorphism of the original chlorides and yttrium. The effects observed in the trial-KCl system at 376C could not be explained. Densities of all low-temperature modifications (Table 3) were determined using CCl ₄ with d ₄ 0 = 1.5828 g/cm ³ . Orig. art. has: 2 fig. and 4 tables.						
		DATE: O5Feb65/ ORIG REF:	004/ OTH REF: 002			
Card 6/6) } ,			**************************************		

SHEWISOVA, Z. V., and TURANYAN, M. A.

"Chemotherapy of Radiation Diseases in Experiments Performed on Monkeys." Proceedings of Inst. Epidem. and Microbiol. im. Gemmsleya, 1954-56.

Division of Medical Microbiology, Troitskiy, V. L., professor, Corresponding Newber, Academy of Medical Sciences, USSR, head, Inst. Epidem. and Microbiol. im. Gamaleya, ANS USSR.

SO: Sum 1186; 11 Jan 57.

TUMANYAN, M.A.; SHEVTSOVA, Z.V. Chemotherapy of radiation sickness in monkeys under experimental conditions. Med.rad. 1 no.2:41-45 Mr-Ap '56. (MIRA 9:9) 1. Iz otdela meditinskoy mikrobiologii (zav. - chlen-korrespondent AMN SSSR V.L.Troitskiy) Instituta epidemiologii i mikrobiologii imoni N.F.Gameleya AMN SSSR. (RADIATION SICKNESS, experimental, eff. of antibiotics in monkeys (Rus)) (ANTIBIOTICS, effects, on exper. radiation sickness in monkeys (Rus))

SHEVTSOVA, Z.V.

Effect of irradiation on the course of the vaccinal process caused by the introduction into the organism of live brucellosis vaccine.

Med.rad. 4 no.10:46-53 0 '59. (MIRA 13:2)

1. Iz otdela radiatsionnoy mikrobiologii i immunologii (zav. - prof. V.L. Troitskiy) i otdela brutselleza (zav. - prof. P.A. Vershilova) Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei AMN SSSR (dir. - prof. S.N. Muromtsev).

(RADIATION EFFECTS exper.)
(BRUCELLOSIS immunol.)
(IMMUNITY)

SHEVISOVA, Z.V.

Immunity in guinea pigs immunized with a live Brucella vaccine under the influence of radiations. Zhur.mikrobiol.epid.i immun. 31 no.9:105-109 S '60. (MIRA 13:11)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

(BRUCELLOSIS)

(RADIATION-PHYSIOLOGICAL EFFECT)

SHEVTSOVA, Z. V., CAND MED Sci, "Effect of x-RAYZIRRA"

DIATION ON IMMUNOGENESIS AND INTENSITY OF IMMUNITY IN ANI
MALS IMMUNIZED WITH LIVE BRUCELLOSIS VACCINE." Moscow, 1961.

(ACAD MED Sci USSR). (KL, 3-61, 236).

486

SILICH, V.A.; SHEVTSOVA, Z.V.

Experience with combined vaccination against brucellosis and Q fever. Zhur. mikrobiol., epid. i immun. 33 no.7:66-72 Jl '62. (MIRA 17:1)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

ACCESSION NR: AP4031448

5/0016/64/000/004/0100/0105

AUTHOR: Shevtsova, Z. V.

TITLE: Causes of reduced natural resistance to live Brucella vaccine in irradiated animals

SOURCE: Zhurnal mikrobiologii, opidomiologii i immunobiologii, no. 4, 1964, 100-105

TOPIC TAGS: Brucella abortus No. 19-Ba vaccine, 200 r X-irradiation dose, reduced natural resistance, live vaccine, killed vaccine, antigen complex, death rate, Brucella endotoxin, increased endotoxin sensitivity, detoxication mechanism disturbance

ABSTRACT: Experimental guinea pigs (280 to 300 g) were X-irradiated (RUM-3 unit, 180 kv, 15 ma, filters 0.5 mm Cu and 1 mm Al, 42r/min) with single 200 r doses before inoculation with Brucella vaccine. 'On administered a live Brucella culture (Br. abortus No. 19-Ba), a second group was administered a killed (by heating) Brucella culture (Br. abortus No. 19-Ba), a third group was administered a Br. abortus No. 19-Ba antigen complex, and a fourth group serving as a control was

ACCESSION NR: AP4031448

administered a physiological solution. Animals were observed for 28 days and the death rate was determined for each group. In an additional experiment the intensity of Brucella multiplication in the various organs of irradiated and non-irradiated guinea pigs and white rate was investigated during periods corresponding to the highest number of deaths. Findings show that live and killed Brucella cultures and the Brucella antigen complex increase the death rate of irradiated animals. However, the intensity of Brucella multiplication in the various organs of irradiated and non-irradiated animals does not dirfer and virulence does not increase. The reduced resistance of irradiated animals to Br. abortus 19-Ba is attributed largely to increased Brucella endotoxin sensitivity and related detoxication mochanism disturbance. Orig. art. has: 5 tables.

ASSOCIATION: Institut epidemiologii i mikrobiologii im. Gamalei AMN SSSR (Epidemiology and Microbiology Institute AMN SSSR)

SUBMITTED: 29May62

ENCL: 00

SUB CODE: LS

NR REF SOV: 008

OTHER: 003

Card 2/2

EMA(b)=2/EMA(j)/EWT(1)L 45667-65

UR/0016/64/000/009/0076/0081

ACCESSION NR: AP5013168

19

AUTHOR: Shertsova, Z. V.

TITLE: Effect of irradiation on preventive properties of sera of guinea pigs

immunized with live brucellosis vaccine

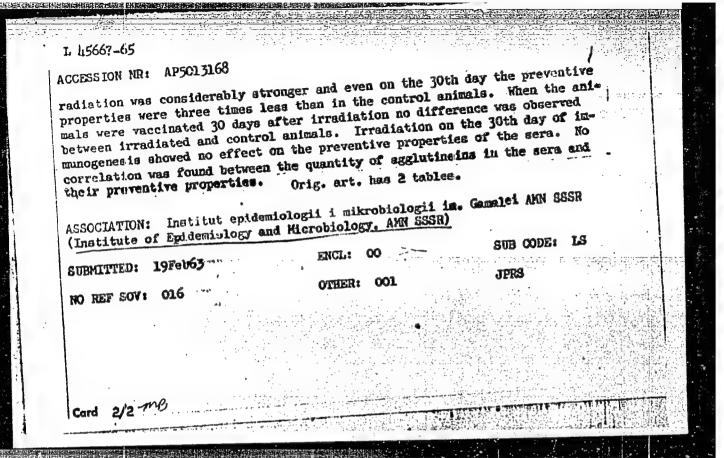
SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 9, 1964,

76-81

TOPIC TAGS: serum, experiment animal, brucellosis, irradiation

Abstract: The article describes the effect of irradiation on the preventive properties of the sera of guinea pigs irradiated with a dose of 200 r. at various intervals before and after immunization with live brucellosis vaccine. The preventive properties were measured with respect to the ED50 and the LD50. The effect depended on the interval between irradiation and vaccination. When the animals were vaccinated 24 hours before or after irradiation, a retardation in the rise of the preventive properties was observed on the 15th day of immunogenesis but it was not evident on the 30th day; when the animals were vaccinated on the 3rd day after irradiation (in the period of pronounced symptoms of radiation sickness), the effect of ir-

Card 1/2



Environment of the principal production of the principal		
<u>l 42945-65</u> Eng(1)/ena(j)/ena(b)-2 JK		
ACCESSION NR: AP5008015 S/0016/65/000/003/0056/0058	S-22 H = 5 42	
AUTHOR: Shevtsova, Z. V.		
TITLE: A study of the virulence of a brucella vaccine strain after being in an irradiated organism		
SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 4 3, 1965, 56-58 TOPIC TAGS: guinea pig, brucella, live vaccine, vaccine virulence, X-ray irradiation, single radiation dose		
ABSTRACT: Guinea pigs (280-300 g) were X-irradiated (RUM-3 unit, 180 kv, 15 ma, 0.5 mm Cu and 1 mm Al filters, 42 r/min) with single 200 r doses (20-30% mortality within 30 days) to determine the effect of an irradiated organism on live brucella vaccine virulence. On the third day following irradiation the animals were immunized subcutaneously with a live brucella vaccine strain (1 billion bacterial cells) and killed 3, 10, 20, and 30 days later. Ten of the cultures obtained were from animals in the acute stage of radiation sickness		
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ACCESSION NR: AP5008015

(6th and 13th days) and 15 of the cultures obtained were from animals in the last stages of radiation sickness (23d and 33d days). Culture virulence was measured by its capacity to produce the disease in healthy animals after introducing single doses of 100 or 1,000 bacterial cells. In control experiments non-irradiated animals were immunized with the initial live brucella vaccine strain and cultures were taken for the same periods as in experimental animals. The virulence of 20 of the 25 brucella vaccine cultures after 3, 10, 20, and 30 days in an irradiated organism was basically the same as that of the initial brucella vaccine strain, and the virulence of the other 5 cultures was slightly increased. No conclusions are drawn. Orig. art. has: None.

ASSOCIATION: Institut epidemiologii i mikrobiologii im. Gamalei AMN SSSR (Institute of Epidemiology and Microbiology AMN SSSR)

SUBMITTED: 30Apr64/

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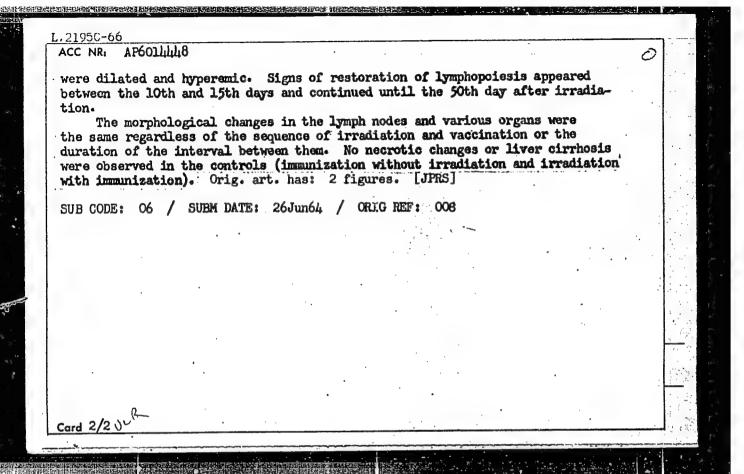
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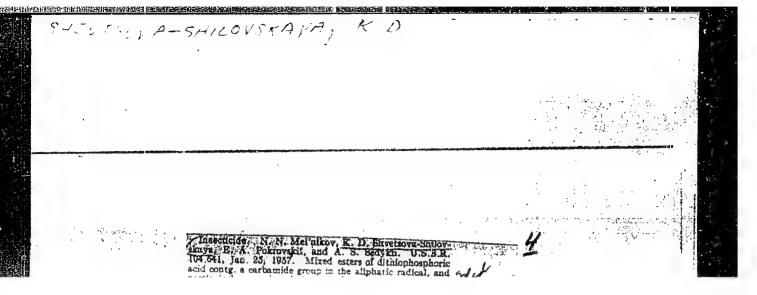
Card 2/2 1/1

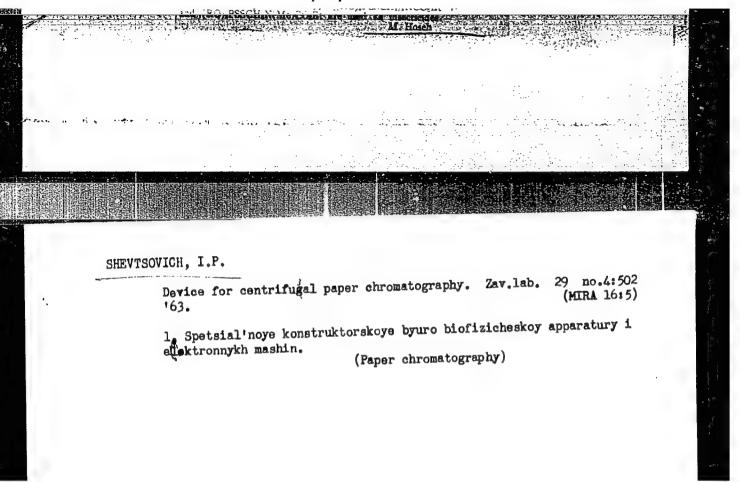
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21950-66 ENT(1)/ENT(m)/I ACC NR: AP6014448 SOURCE CODE: UR/0016/65/000/010/0061/0065 AUTHOR: Shevtsova, Z. V.; Grekova, N. A. ORG: Institute of Epidemiology and Microbiology im. Galameya: AMN SSSR (Institut epidemiologii i mikrobiologii AMN SSSR) 641,25 TITLE: Morphological characteristics of the brucella vaccine process in irradiated guinea pigs SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 10, 1965, 61-65 TOPIC TAGS: immunization, bacteria, bacteriology, radiation biologic effect. experiment animal, hematopoiesis ABSTRACT: Experiments were performed on guinea pigs irradiated with 150 r at various times before and after immunization with live brucella vaccine (Br. abortus 19-BA). The lymph nodes within 5 days of immunization were marked by hyperplasia of the reticular elements. Groups of light reticular cells and occasional symplasts appeared between the 15th and 30th days. The morphological picture in the lymph nodes tended to return to normal after 3 months. Hyperplasia of the reticular cells and pulp was noted in the spleen along with intensified lymphopoiesis. During the first month after vaccination the liver was also characterized by hyperplasia and swelling of Kuppfer's cells. In irradiated but not immunized animals, during the first 15 days after irradiation the lymph nodes lost many of their follicles. The blood vessels UDC: 616.98.1.42-097-092.9-06:617-001.281-091 Card 1/2







SHEVUYEV, A.N., kandidat khimicheskikh nauk; PESHEKHONOVA, A.I.; KIRILENKO, K.G.; KURCHENINOVA, N.K.

Bromometric method for determining monochlorophenoxyacetic acid in 2,4-D. Khim, prom. no.7:430-431 O-N '55. (MLRA 9:3)

1. Mauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley imeni K.Ye. Voroshilova.
(2,4-D)

SHEVYAKHOVA, I. P.

Turbulence and Dynamic Meterorology

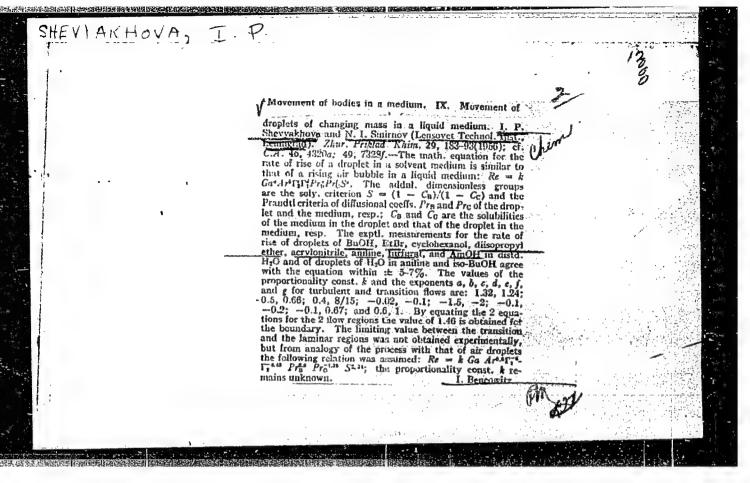
Dissertation: "Study of the Motion of Drops in a Liquid Medium Under Mass Exchange Conditions." Cand Tech Sci, Leningrad Technological Inst, Leningrad, 1953.

(Referativnyy Zhurnal -- Mekhanika, Moscow, Mar 54)

SO: SUM 213, 20 Sep 1954

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549320012-4



MAYMIND, V.I.; TOKAHEV, B.V.; GOMES, E.; VDOVINA, R.G.; YERMOLAYEV, K.M.; SHEVYAKIN, M.M.

Research in the field of compounds labeled with C¹⁴ and N¹⁵.

Part 4. Synthesis of "key" compounds. Zhur.ob.khim. 26 no.7:
1962-1967 J1 '56.

(MLRA 9:10)

1. Institut biologicheskoy i meditainskoy khimii Akademii nauk SSSR. (Phthalimide) (Hydrocyanic acid) (Radioactive tracers)

SADOVSKIY, V.D.; MALYSHEV, K.A.; SAZONOV, B.G.; SHEVYAKINA, L.Ye., redaktor; LUCHKO, Yu.V., redaktor; KOVALENKO, N.I., tekhnicheskiy redaktor.

[Phase and structure changes during the heating of steel] Fazovye i strukturnye prevrashcheniia pri nagreve stali. Sverdlovsk, Gos. nauch-no-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 183 p. (Metallography) (Steel--Heat treatment) (MLRA 8:1)

S/148/60/000/009/019/025 A161/A030

18.7500

AUTHORS: Poper, A.A.

Popov, A.A., and Shevyakina, L.Ye.

TITLE:

Peculiarities of the formation and decomposition of

supersaturated ferrite in alloy steel

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya,

nc. 9, 1960, 140-147

TEXT:

An investigation has been carried out with medium-carbon steel with different W and Mc content, i.e. elements that belong to carbide forming and raising the original transformation temperature in carbon steel. This choice of alloy elements was made in view of the fact that isothermic cross sections of ternary phase diagrams prove that alloy elements lowering the carbon steen temperature must decrease the oversaturation of forming ferrite with carbon at a constant transformation temperature, and hence slow down the decomposition of oversaturated ferrite with the more probable formation of graphite instead of carbides, whilst elements raising the transformation temperature have the opposite effect, i.e. raise the oversaturation making the formation of carbides more probable. Specimens of

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steel with six different compositions were heated to 1100°C, soaked for 5 min, and laid into lead bathsheated to certain subcritical temperatures, soaked for a different time, and quenched in water. The results are illustrated in 7 sets of photomicrographs. In steel with 0.88% W and 1.06 Mo in temperature above the euteotic range the structure was the usual bright ferrite that did not decompose in longer isothermic soaking. But at lower temperatures, transformation was present and slightly oversaturated ferrite formed and decemposed in isothermic soaking with the formation of graphite; graphitization of overgaturated ferrite was perticularly clear in the transformation at about 750°C. At 700° ferrite was more oversaturated and decomposed into graphite and carbide; at 650° the oversaturation is still higher and only the carbides are separated. Analogous transformation took place in higher-alloyed steel, and it could be stated that higher content of W and particularly of Mo resulted in much higher oversaturation of the forming ferrite with carbon at same transformation temperatures, and formaticn of carbides; e.g. at 4.41% W, 3.18% Mo, or 5.44% Mo, decomposition of ferrite formed at 750° and lower was accompanied by the formation of disperse carbides only. Decomposition of oversaturated ferrite was

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Peculiarities of the formation ...

particularly clear at 700-6500, except in highest-alloyed steel with 5.44% Mo. It was also observed that a ferrite-carbide mixture formed in steel with 4.41% W and 3.18% Mo at 700 and 650° after the ferrite formation, with small blurred spots of pearlite troostite. This was not stated in steel with 5.44% No. It follows from the observations that oversaturated ferrite really forms in medium-alley steel with W or Mo. In temperatures near the eutectic the oversaturation is comparatively slight, and ferrite oversaturated with carbon decomposes with the formation of graphite; more oversaturated ferrite forms at lower temperatures, and this ferrite decomposes with the formation of carbides. Increased W or Mo content raises oversaturation at a given temperature, and the tendency to carbides formation rises, i.e. the effect of higher W or Mo content is equivalent with the effect of an increased degree of supercooling. Ferrite in such higher alloyed steel can decompose with the formation of a peculiar ferrite-carbide mixture resembling the sorbite or troostite forming in direct decomposition of austenite but forming from oversaturated ferrite. Analogous regularities can be expected to exist in other steel compositions containing elements that raise the

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Peculiarities of the formation ass

transformation temperature.

ASSOCIATION: Ural'skiy politekhnicheskiy institut (Ural Polytechnical Institute)

28 March 1960 SUBMITTED:

Card 4/4